

# INPUT/OUTPUT PATTERNS

**HOMEWORK GRADE**

**2/24/2021**

**1. An input/output chart is shown below.**

Input	Output
12	4
18	?
24	8
30	10

**Determining the rule, solve for the output.**

a. 10

b. 6

c. 3

d. 21

**2. An input/output chart is shown below.**

Input	?	4	18	16
Output	7	2	9	8

**Determining the rule, solve for the input.**

a. 2

b. 10

c. 11

d. 14

**3. The table has information about the number of pieces of gum contained in a package.**

Number of Packages	2	4	6	8
Pieces of Gum	24	48	72	96

**Based on the table, what would be the total number of pieces of gum in 12 of these packages?**

a. 124

b. 134

c. 144

d. 140

4. The table shows the total number of players on different golf teams in a tournament.

Golf Teams	
Total Number of Players	Number of Teams
8	2
28	7
32	8
56	?

If the pattern continues the same way, how many golf teams are needed for a total of 56 players?

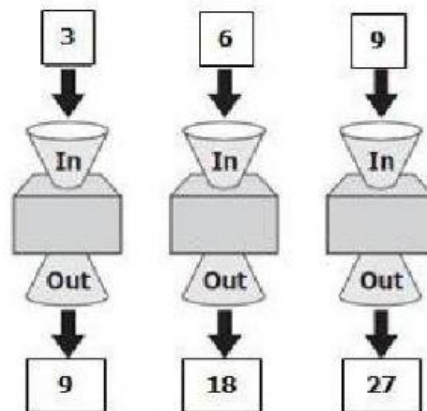
a. 14

b. 13

c. 12

d. 11

5. A number machine uses a multiplication rule to change into different numbers. The picture shows what happened when three numbers went into and came out of the same number machine.



What number should come out if the number 13 goes into the machine?

a. 30

b. 33

c. 36

d. 39